|   | · Index of Claims  |           |        |           |          |                 |                  |                       |          |            |          |          |   | Application/Control No. |                   |              |             |          |              |          |    |       |            | Applicant(s)/Patent under Reexamination |          |            |          |                      |              |                |          |
|---|--|-----------|--------|-----------|----------|-----------------|------------------|-----------------------|----------|------------|----------|----------|---|-------------------------|-------------------|--------------|-------------|----------|--------------|----------|----|-------|------------|---|----------|------------|----------|----------------------|--------------|----------------|----------|
| . TURKU BIU ITU ITU USU USU ULU ULU ULU ULU I     |  |           |        |           |          |                 |                  |                       |          |            |          |          | 10/042,749                              |                         |                   |              |             |          |              |          |    |       |            | CHADHA ET AL.                           |          |            |          |                      |              |                |          |
|   |  |           |        |           |          |                 |                  |                       |          |            |          |          | Examiner                                |                         |                   |              |             |          |              |          |    |       | Art Unit   |   |          |            |          |                      |              |                |          |
|   | TOTAL CONTROL OF THE STATE OF T |           |        |           |          |                 |                  |                       |          |            |          |          |   |                         | Mariceli Santiago |              |             |          |              |          |    |       |            |   | 2879     |            |          |                      |              |                |          |
|   | 4  | 1         | Rej∈   |           | be       |                 | _ (Through numer |                       |          |            |          |          | era                                     | 1)                      | 7                 | N            | Non-Elected |          |              |          | be |       | A          | Appeal                                  |          |            |          |                      |              |                |          |
|   | -  | = Allowed |        |           |          |                 | +                |                       |          | Restricted |          |          |   | )                       |                   |              |             |          | Interference |          |    | СӨ    |            | 0                                       | Objected |            |          | 1                    |              |                |          |
| Claim   | _<br>_   |           |        |           |          |                 |                  |                       |          | Claim      |          |          |   | _                       | 10                | te           |             |          | Cla          | ·        |    | Date  |            |   |          |            |          |                      |              |                |          |
|   | 1.   | Date      |        |           | T        | TIT             |                  |                       |          |            |          | П        | Т                                       | ΠĬ                      |                   |              | ŤΠ          |          |              |          |    |       | П          |   |          |            |          |                      |              |                |          |
| Final<br>Original                                 | 2000   | 2010      |        |           |          |                 |                  |                       |          |            | Final    | Original |   |                         |                   |              |             |          |              |          |    | Final | Original   |   |          |            |          |                      |              |                |          |
|   | 士  | 士         | 土      |           |          |                 | 1                | 士                     |          |            |          | 51       |   | 1                       | 士                 | 土            |             |          |              |          | t  |       | 101        | 口                                       |          | Ŀ          |          | 士                    | 士            |                |          |
| 1 1   | +  | +         | ╀      | ┞         | $\vdash$ | -               | +                | +                     | -        |            |          | 52<br>53 | H                                       | +                       | +                 | ╀            | ╀           | ┞        | Н            | -        | ╠  |       | 102<br>103 | $\vdash$                                | +        | ╀          | Н        | +                    | +            | +              |          |
|   | 土  | 土         | 土      |           |          |                 | 士                | 土                     |          |            |          | 54       |   | 士                       | 土                 | 土            | 土           | 匚        | 口            |          | ľ  |       | 104        | 口                                       | 工        |            |          | コ                    | 士            | 士              |          |
| 1   | +  | +         | 4      | ┞         |          |                 | +                | -                     | 4        |            |          | 55<br>56 | $\vdash \vdash$                         | +                       | +                 | +            | ╁           | $\vdash$ | Н            | $\dashv$ | ╠  |       | 105<br>106 | $\vdash$                                | +        | ╀          | $\vdash$ | +                    | +            | +              |          |
| <del>                                      </del> | +  | ╁         | ╫      | $\vdash$  | $\vdash$ | $\dashv$        | +                | +                     | $\dashv$ |            |          | 57       | $\vdash$                                | +                       | +                 | $\dagger$    | 1           | H        | Н            |          | ı  |       | 107        | Н                                       | 士        | $^{\perp}$ |          |                      | $\pm$        | 士              |          |
|   | Ţ  | Ŧ         | $\top$ |           |          | $\Box$          | 7                | $\top$                | $\Box$   |            |          | 58       | П                                       | $\blacksquare$          | Ţ                 | Ŧ            | $\perp$     | L        |              |          |    |       | 108        | П                                       | 4        | Ļ          |          | $\Box$               | 4            |                | , i      |
| 1 1   | <del>d</del> .   | ╬         | +      | ┢         | $\vdash$ | -               | +                | +                     | $\dashv$ |            |          | 59<br>60 | ╁┤                                      | +                       | +                 | +            | ┿           | ┝        | Н            | -        | ╟  |       | 109<br>110 | H                                       | +        | ╁          | $\vdash$ | $\dashv$             | +            | ╁              |          |
| 1-41  | H  | t         |        |           |          |                 | 土                | 土                     |          |            |          | 61       |   | 士                       | 土                 | 上            | 上           | 匚        |              |          |    |       | 111        |   | 工        | 匚          |          |                      | 土            |                |          |
| 148   |  | $\bot$    | 1      | F         | Щ        |                 | +                | 4                     | _        |            |          | 62<br>63 | $\sqcup$                                | $\dashv$                | 4                 | 1            | _           | L        | $\vdash$     | _        | -  |       | 112<br>113 | -                                       | +        | +          |          | -                    | 4            | -              |          |
| 2 13<br>3 14                                      |  | ╬         | ╁      | ╁         | $\vdash$ | $\vdash$        | +                | ╅                     | $\dashv$ |            |          | 64       | ╁┤                                      | $\dashv$                | +                 | +            | ╁           | ┢        | Н            | $\dashv$ | ⊪  |       | 114        | Н                                       | +        | ╁╴         | Н        | -                    | +            | ╁              |          |
| 16  | $\pm$  | 1         |        | Ŀ         |          |                 | 二                | 1                     |          |            |          | 65       |   | 丰                       | #                 | I            |             |          |              |          | Ţ  |       | 115        |   |          | 工          |          |                      | #            | ᆂ              |          |
| 4 16<br>5 17                                      |  | ╬         | ╀      | ╀         | ╀        | ₽               | +                | +                     | -        |            |          | 66<br>67 | ╀                                       | +                       | +                 | ╀            | ╀           | ╀        | $\vdash$     | _        | ⊪- |       | 116<br>117 | $\vdash$                                | -        | ╀          | Н        | 4                    | +            | +              |          |
| 6 18  |  | +         | +      | ╁         | +        |                 | +                | $\top$                | -        |            |          | 68       |   | 士                       | 1                 | 1            | $\perp$     |          |              |          | ľ  |       | 118        |   |          | T          | $\Box$   |                      | 1            |                | <b>j</b> |
| 7 18  | <b>1</b>   | 1         | $\bot$ | L         | $\Box$   |                 | $\downarrow$     | 1                     |          |            |          | 69       | П                                       | $\Box$                  | $\perp$           | Ţ            | L           | L        | П            |          |    |       | 119        | П                                       | Ţ        | Ţ          |          |                      | ightharpoons | $\blacksquare$ |          |
| 8 (20   |  | +         | ╁      | ╁         | ╁        | $\vdash$        | +                | ╅                     | -        |            |          | 70<br>71 | $\vdash$                                | +                       | ╫                 | ╁            | ╁           | ╀        | $\vdash$     | $\dashv$ | ŀ  |       | 120<br>121 | $\vdash$                                | +        | ┼╌         | Н        | $\dashv$             | +            | +              |          |
| 22  | <u>:</u>   | 1         |        | t         |          |                 | 1                | 士                     |          |            |          | 72       |   | 士                       | 士                 | İ            |             | L        |              |          | ıt |       | 122        |   |          |            |          |                      | 士            |                |          |
| 23  |  | 1         | $\bot$ | -         | -        | $\Box$          | $\dashv$         | 4                     | $\dashv$ |            |          | 73       |   | -                       | +                 | 1            | $\bot$      | ┞        | ╀            |          | -  |       | 123        | Н                                       | +        | 1          | ┦        | $\dashv$             | +            | +              |          |
| 24  |  | +         | ╁      | ╁         | ╁        | $\vdash \vdash$ | +                | +                     | $\dashv$ |            | _        | 74<br>75 | ┼╌┤                                     | +                       | +                 | +            | ╁╴          | ╁        | ╁            | Н        | ⊪  |       | 124<br>125 | Н                                       | ╅        | 十          | Н        | $\vdash$             | +            | ╁              |          |
| 26  | 3  | 1         | 工      | I         | 1        |                 | $\dashv$         | $\Box$                |          |            |          | 76       | 口                                       | $\exists$               | 工                 | 1            | I           |          |              |          |    |       | 126        | $\Box$                                  |          | Ţ          |          | $\Box$               | $\Box$       | T              |          |
| 27  |  | +         | +      | ╀         | $\vdash$ | $\vdash \vdash$ | +                | +                     | $\dashv$ |            | -        | 77<br>78 | $\vdash\vdash$                          | +                       | +                 | +            | +           | ╀        | $\vdash$     | H        | ŀ  |       | 127<br>128 | H                                       | +        | +          | $\vdash$ | $\vdash \vdash$      | +            | +              | {        |
| 29  |  | 士         | 士      | T         | T        |                 | +                | _                     |          |            |          | 79       |   | _                       | 士                 | 士            | 士           | T        | $\top$       |          | ľ  |       | 129        |   | 士        | 士          |          |                      | $\exists$    | 士              | j        |
| 30  | <u> </u>   | T         | I      | Į         | Г        | П               | $\exists$        | T                     |          |            |          | 80       | П                                       | 4                       | Ţ                 | Ţ            | T           | L        |              |          |    |       | 130        |   | $\perp$  | Ţ          | П        |                      | $\exists$    | 7              |          |
| 31  |  | +         | +      | ╁         | +        | $\vdash \vdash$ | +                | $\dashv$              | $\dashv$ |            |          | 81       | ╁┤                                      | +                       | +                 | ╀            | +           | ╁╴       | +            | H        | ŀ  |       | 131<br>132 |   | +        | ╀          | Н        | ${oldsymbol{ec{H}}}$ | +            | +              | 1        |
| 33  | 3  | 士         | 上      | T         | 上        |                 | 士                |                       |          |            |          | 83       |   | 士                       | 士                 | 土            | 士           | 上        |              |          | ı  |       | 133        |   | 士        | 上          |          |                      |              | 土              | ]        |
| 34  |  | Ţ         | Ţ      | F         | F        | П               | $\exists$        | $\operatorname{\bot}$ | $\Box$   |            |          | 84       | П                                       | $\Box$                  | $\bot$            | T            | $\bot$      | F        | Г            | Ц        |    |       | 134        |   | 工        | $\bot$     | П        | Ц                    | $\bot$       |                | -        |
| 35  |  | +         | +      | ╁         | ╁        | H               | $\dashv$         | +                     | $\dashv$ |            |          | 85<br>86 | $\vdash$                                | $\dashv$                | +                 | 十            | +           | ╁        | +            | Н        | ŀ  |       | 135<br>136 |   | +        | +          | $\vdash$ | ${f H}$              | +            | +              | · ·      |
| 37  | 7  | 士         | 土      | I         |          | 口               | 丁                | 士                     |          |            |          | 87       | $\Box$                                  | I                       | 土                 | 士            | 上           | L        | I            |          | ľ  |       | 137        |   |          | 土          |          |                      | 士            | 上              | 1        |
| 38  |  | 7         | Ŧ      | Į.        |          | П               | 4                | $\dashv$              | $\Box$   |            |          | 88       | П                                       | $\dashv$                | $\bot$            | F            | $\bot$      | F        | $\vdash$     | Н        |    |       | 138<br>139 |   | $\perp$  | F          | $\vdash$ | Н                    | 4            | 4              | -        |
| 39  |  | +         | +      | ╁         | 十        | ╁┼              | $\dashv$         | $\dashv$              | -        |            | _        | 89<br>90 | H                                       | $\dashv$                | +                 | +            | +           | 十        | +            | H        | ŀ  |       | 140        |   | +        | ╁          | +        | H                    | ┥            | +              | 1        |
| 41  | ╗  | 士         | 土      | 工         |          | 口               | 士                |                       |          |            |          | 91       |   |                         | $\perp$           | 士            | 1           | 上        |              |          |    |       | 141        |   |          | 土          | Ŀ        | 口                    | コ            |                | ]        |
| 42  |  | +         | +      | +-        | +        | H               | -                | $\dashv$              | _        |            | <u> </u> | 92<br>93 | $\vdash$                                | 4                       | 4                 | +            | +           | +        | +            | H        |    |       | 142        |   | _        | +          | $\vdash$ | H                    | 4            | +              | 4        |
| 43  | _  | +         | +      | +         | +        | $\vdash$        | $\dashv$         | $\dashv$              | $\dashv$ |            |          | 94       | ╁┤                                      | $\dashv$                | +                 | +            | +           | +        | +            | H        | ⊪  |       | 144        |   | +        | +          |          | H                    | +            | +              | 1        |
| 45  | 5  | 1         | T      | L         |          |                 | コ                |                       |          |            |          | 95       |   |                         | $\Box$            | 1            |             | T        |              |          |    | V 1   | 145        |   |          | T          |          |                      | $\Box$       | 1              |          |
| 45  |  | +         | +      | +         | ₽        | $\vdash$        | -                | 4                     | -        |            |          | 96<br>97 | $\dashv$                                | -                       | +                 | +            | +           | +        | +            | H        |    |       | 146        |   |          | +          | -        | H                    | +            | +              |          |
| 48  | _  | +         | +      | $\dagger$ | +        | ╁┼              | 1                | $\dashv$              | -        |            | $\vdash$ | 98       | +                                       | +                       | _                 | +            | +           | +        | +-           | Н        | ⊪  |       | 148        |   |          | +          | 1        | ⊣                    | _            | _              | 1        |
| 49  | 9  | 1         | 工      | I         | 上        | 口               | ゴ                | #                     |          |            |          | 99       | $\Box$                                  | $\Box$                  | 二                 | $\downarrow$ | 工           | I        | $\perp$      |          |    |       | 149        |   |          | I          |          | 口                    | コ            | 1              |          |
| 50  | ) <u> </u>   |           |        |           |          | Ш               |                  |                       |          | Ш          |          | 100      | لــــــــــــــــــــــــــــــــــــــ | Ш                       |                   | $\perp$      | ┸           | L        | 1_           |          | Щ  |       | 150        |   | Ш.       |            | ┸        | Ш                    |              |                | J        |